## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ICANT:

Yon, et al.

TITLE:

NOVEL BACE PROTEINS, NUCLEIC ACID MOLECULES

THEREFOR, NOVEL CRYSTAL STRUCTURE OF NOVEL BACE PROTEINS AND METHODS FOR MAKING AND

**USING** 

SERIAL NUMBER

10/762,040

FILING DATE

January 21, 2004

**GROUP ART UNIT** 

1632

Boston, Massachusetts

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

## TRANSMITTAL LETTER

Dear Sir:

Transmitted herewith for filing in the above-referenced patent application are the following documents:

☐ Information Disclosure Statement;

Copies of Cited References A1, B1-B17, and C1-C24; and

Return Postcard

If the enclosed papers are considered incomplete, the Mail Room is respectfully requested to contact the undersigned collect at telephone (617) 342-4000. No fees are believed to be due. This paper is submitted in duplicate for the Office's convenience.

Dated: March 23, 2005

Respectfully submitted,

James F. Ewing Reg. No. 52,875

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Date of Deposit: March 23, 2005

Attorney Docket No. BWT-004US

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT:

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NOVEL BACE PROTEINS, NUCLEIC ACID MOLECULES THEREFOR, NOVEL CRYSTAL STRUCTURE OF NOVEL BACE PROTEINS AND METHODS FOR MAKING AND

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## INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, Applicants hereby make of record the documents listed below and on the attached modified Form PTO-1449 (submitted in duplicate) in the above-identified application, copies of which are submitted herewith. The order of presentation of the references should not be construed as an indication of the importance of the references.

This Information Disclosure Statement is being been filed:

|  | within three months of the filing date of the National Application;           |  |  |  |  |  |
|--|---|--|--|--|--|--|
| $\boxtimes$  | prior to receipt of first office action on the merits; or                     |  |  |  |  |  |
|  | within three months of receipt of art cited in a related foreign application. |  |  |  |  |  |
| Accordingly, no fee or certification is required. 37 C.F.R. §1.97. |   |  |  |  |  |  |

A copy of each of the above-identified information is enclosed unless otherwise indicated

FIRST-NAMED INVENTOR: Yon, et al. Information Disclosure Statement

on the attached Form PTO-1449 (modified). It is respectfully requested that the Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims, and signs the enclosed form PTO-1449 to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application.

By submitting this Information Disclosure Statement, the Applicant makes no representation that: (1) a search has been performed, of the extent of any search performed, or that more relevant information does not exist; (2) the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b); and (3) the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. §102.

Notwithstanding any statements by the Applicant, the Examiner is urged to form his/her own conclusion regarding the relevance of the cited information. An early and favorable action is hereby requested. Please charge any additional fees that may be due, or credit any overpayment of same, to Deposit Account No. 50-3431, Reference No. 351044-0005.

Dated: March 23 2005

Respectfully submitted,

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Express Mail Label No.: EV 591301545US Date of Deposit: March 23, 2005

| USPTO Form 1449  U.S. Department of Commerce Patent and Trademark Office  INFORMATION DISCLOSURE STATISTENT |                  |   |   | Attorney Docket No. BWT-004US    |                     | Serial No.<br>10/762,040 |                              |            |  |
|---|------------------|---|---|----------------------------------|---------------------|--------------------------|------------------------------|------------|--|
|   |                  |   |   |                                  |                     |                          |                              |            |  |
| MAR 2 3 2005 2  |                  |   |   | Filing Date: January 21, 2004    |                     |                          | Group: 1632                  |            |  |
| U.S. PAT  | ENT DO           | OCUMENTS \  |   |                                  |                     |                          |                              |            |  |
| Examiner<br>Initial   |                  | Patent No.  | TRADEMINATE Date                                  | Name                             | Class               | Subclass                 | Filing Date (if appropriate) |            |  |
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| FOREIGN   | PATE             | NT DOCUMENTS  |   |                                  | · · · · ·           | T                        | Υ                            |            |  |
| Examiner<br>Initial   |                  | Document No.  | Publication<br>Date                               | Country                          | Class               | Subclass                 | Translation                  |            |  |
|   | <del></del>      |   |   | <del> </del>                     |                     |                          | YES                          | NO         |  |
|   | B1               | WO96/40885  | 19 December 1996                                  | PCT                              | C12N                | 9/64                     |                              | ļ          |  |
|   | B2               | WO98/26059  | 18 June 1998                                      | PCT                              | C12N                | 9/48                     | 41-44                        | <u> </u>   |  |
|   | В3               | WO99/64587  | 16 December 1999                                  | PCT                              | C12N                | 15/12                    | Abstract<br>only             |            |  |
|   | B4               | WO99/31236  | 24 June 1999                                      | PCT                              | C12N                | 15/12                    |                              | ļ          |  |
|   | B5               | WO00/17369  | 30 March 2000                                     | PCT                              | C12N                | 15/57                    |                              |            |  |
|   | В6               | WO00/23576  | 27 April 2000                                     | PCT                              | C12N                | 9/64                     |                              |            |  |
|   | В7               | WO00/47618  | 17 August 2000                                    | PCT                              | C07K                | 14/47                    |                              |            |  |
|   | В8               | WO00/58479  | 5 October 2000                                    | PCT                              | C12N                | 15/52                    |                              |            |  |
|   | В9               | WO01/00663  | 4 January 2001                                    | PCT                              | C07K                | 14/00                    |                              |            |  |
|   | B10              | WO01/00665  | 4 January 2001                                    | PCT                              | C07K                | 14/00                    |                              |            |  |
|   | B11              | WO01/23533  | 5 April 2001                                      | PCT                              | C12N                | 9/00                     |                              |            |  |
|   | B12              | WO02/25276  | 28 March 2002                                     | PCT                              | G01N                | 33/483                   |                              |            |  |
|   | B13              | WO02/053594   | 11 July 2002                                      | PCT                              | C07K                | 14/81                    |                              |            |  |
|   | B14              | WO02/088101   | 7 November 2002                                   | PCT                              | C07D                | 295/12                   |                              |            |  |
|   | B15              | WO03/072733   | 4 September 2003                                  | PCT                              | C12N                | N/A                      |                              |            |  |
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| EXAMINER  |                  |   |   |                                  | DATE CONSIDERED     |                          |                              |            |  |
| *EXAMINER: I  | nitial if refere | nce considered, whether or not citati   | on is in conformance with MPEP 609.               | Oraw line through citation if no | t in conformance an | d not considered         | Include copy of thi          | s form wit |  |

| USPTO Form 1449 U.S. Department of Commerce Patent and Trademark Office |  |  |  | Attorney Docket No.                |                               | Serial No.        |                              |             |  |
|---|--|--|--|------------------------------------|-------------------------------|-------------------|------------------------------|-------------|--|
| INFORMATION DISCLOSURE STATEMENT  |  |  | BWT-004US 10.                          |                                    |                               | 10/762,040        |                              |             |  |
|   |  |  |  | Applicant(s):. YON                 | , et al.                      |                   |                              |             |  |
|   |  |  |  |                                    | Filing Date: January 21, 2004 |                   |                              | Group: 1632 |  |
| U.S. PAT  | ENT DO   | CUMENTS  |  |                                    |                               |                   | ·                            |             |  |
| Examiner<br>Initial   |  | Patent No.   | Date                                   | Name                               | Class                         | Subclass          | Filing Date (if appropriate) |             |  |
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| FOREIG  | N PATE   | NT DOCUMENTS   |  |                                    |                               |                   |                              | _           |  |
| Examiner<br>Initial   |  | Document No.   | Publication Date                       | Country                            | Class                         | Subclass          | Translation                  |             |  |
| Initial   |  |  | Date                                   |                                    | ļ                             |                   | YES                          | NO          |  |
|   |  |  |  |                                    |                               |                   |                              | <u> </u>    |  |
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| EXAMIN  | ER   |  |  |                                    | DATE CONSIDERED               |                   |                              |             |  |
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|   | Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT |  |                                       |  | BWT-004US      |                   | 10/762,040                     |  |
| 1111 010.1                                  | AHOI.  | Disciposcial Strift  | ENTERVI                               | Applicant(s):. YON, et al.                       |                |                   |                                |  |
|   |  |  |                                       | Filing Date: Januar                              | y 21, 200      | 4                 | Group: 1632                    |  |
| U.S. PAT                                    | ENT DO   | OCUMENTS   |                                       |  |                |                   |                                |  |
| Examiner<br>Initial                         |  | Patent No.   | Date                                  | Name Class Subclass Filing Date (if appropriate) |                |                   |                                |  |
| FOREIG                                      | FOREIGN PATENT DOCUMENTS                                     |  |                                       |  |                |                   |                                |  |
| Examiner<br>Initial                         |  | Document No.   | Publication                           | Country  | Class          | Subclass          | Translation                    |  |
|   |  |  | Date                                  | <u> </u>   |                |                   | YES NO                         |  |
| OTHER I                                     | DOCUM<br>I   | ENTS (including Auth   | or, Title, Date, Pertinen             | t Pages, etc.)                                   |                |                   |                                |  |
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|   | C24  | Wei, et al., "Expression, purification and activity measurement of soluble BACE protein in E.coli", 2002, Vol. 34, No. 4, pgs 498-501 (abstract in English only).  |                                       |  |                |                   |                                |  |
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| *EXAMINER: I                                | Initial if referen   | nce considered, whether or not citation ant.   | n is in conformance with MPEP 609. Dr | raw line through citation if not in              | conformance ar | d not considered. | Include copy of this form with |  |